



Infinity pool view - from 4stars  
hotel project rendered by Walaa

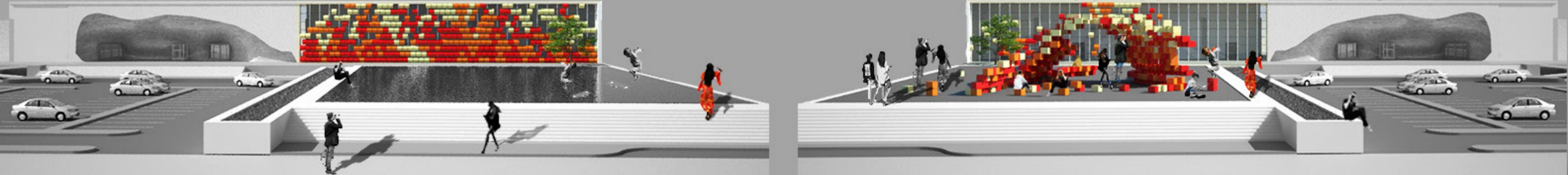
A R C H I T E C T U R E P O R T F O L I O

*Walaa Ahmed*



Shallow pond summer vs.  
winter views - from B.Sc.  
graduation project rendered  
by Walaa

Walaa Ahmed



WALAA MUNIR OSMAN AHMED

# Architecture Portfolio



## I n d e x

### Selected works

Highway rest & service area Project	<b>06</b>
<del>Office Building</del>	<del><b>08</b></del>
4 Stars Hotel	<b>12</b>
<del>Ceramic Factory Design</del>	<del><b>20</b></del>
Graduation Project	<b>22</b>
M and M Residence	<b>29</b>
Rawda Villa	<b>34</b>
My Graphic design portfolio	<b>36</b>

CV (Resume)

**43**

# Highway rest & service area Project

## Highway rest & service area Project

January 2015

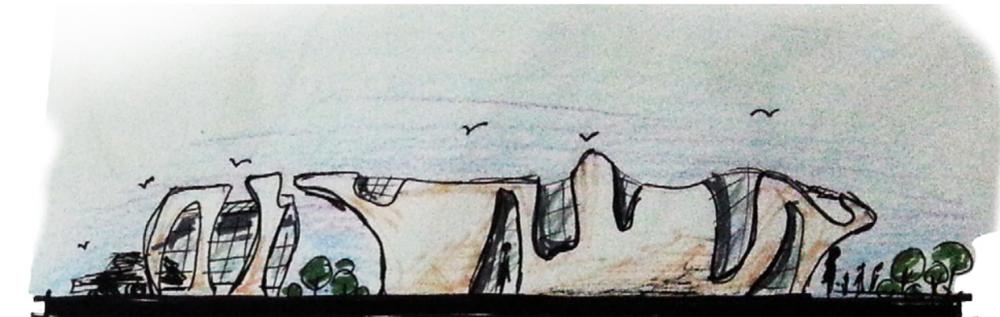
Second Year 2014-2015

A small project at the beginning of the journey of design at the second year of the architecture school. The project consist of a group of services that are located on Madani Highway road that connects between the capital Khartoum and Algazhira state south to Khartoum.

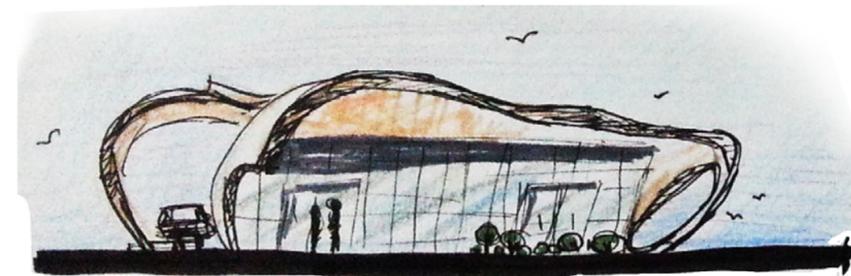
Those services include a gas station, a restaurant, praying area, convenient store, toilets and a parking lot.



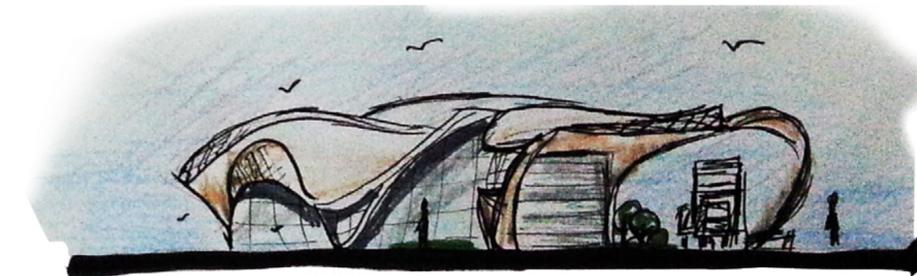
SOUTH - WEST ELEVATION



NORTH - EAST ELEVATION

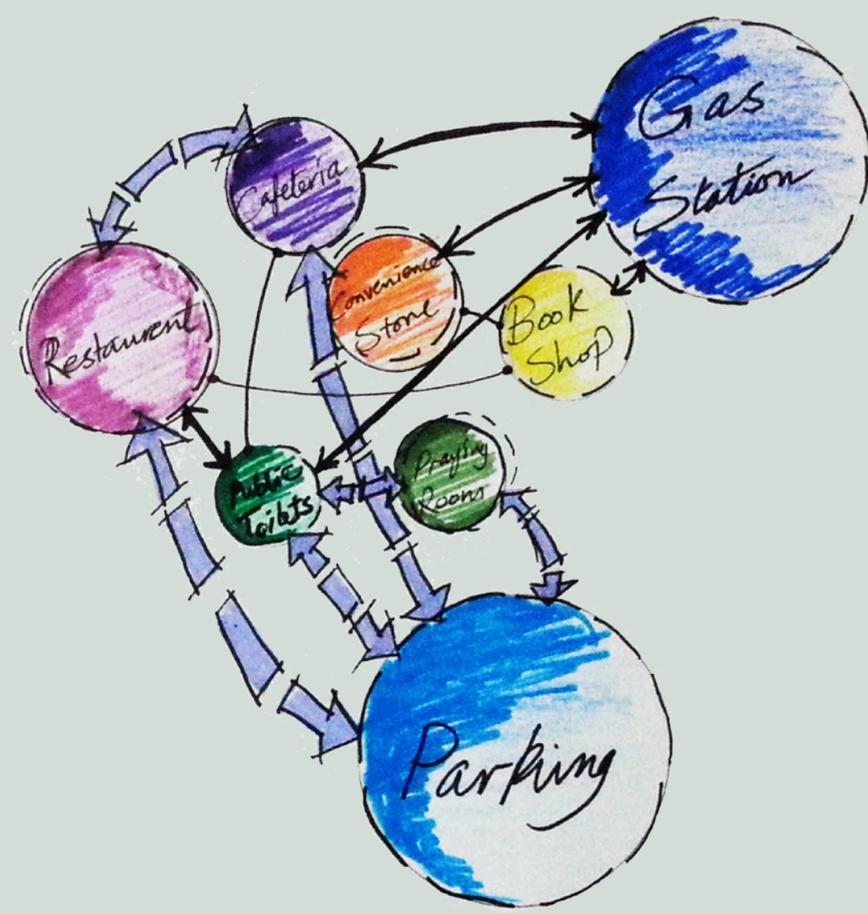
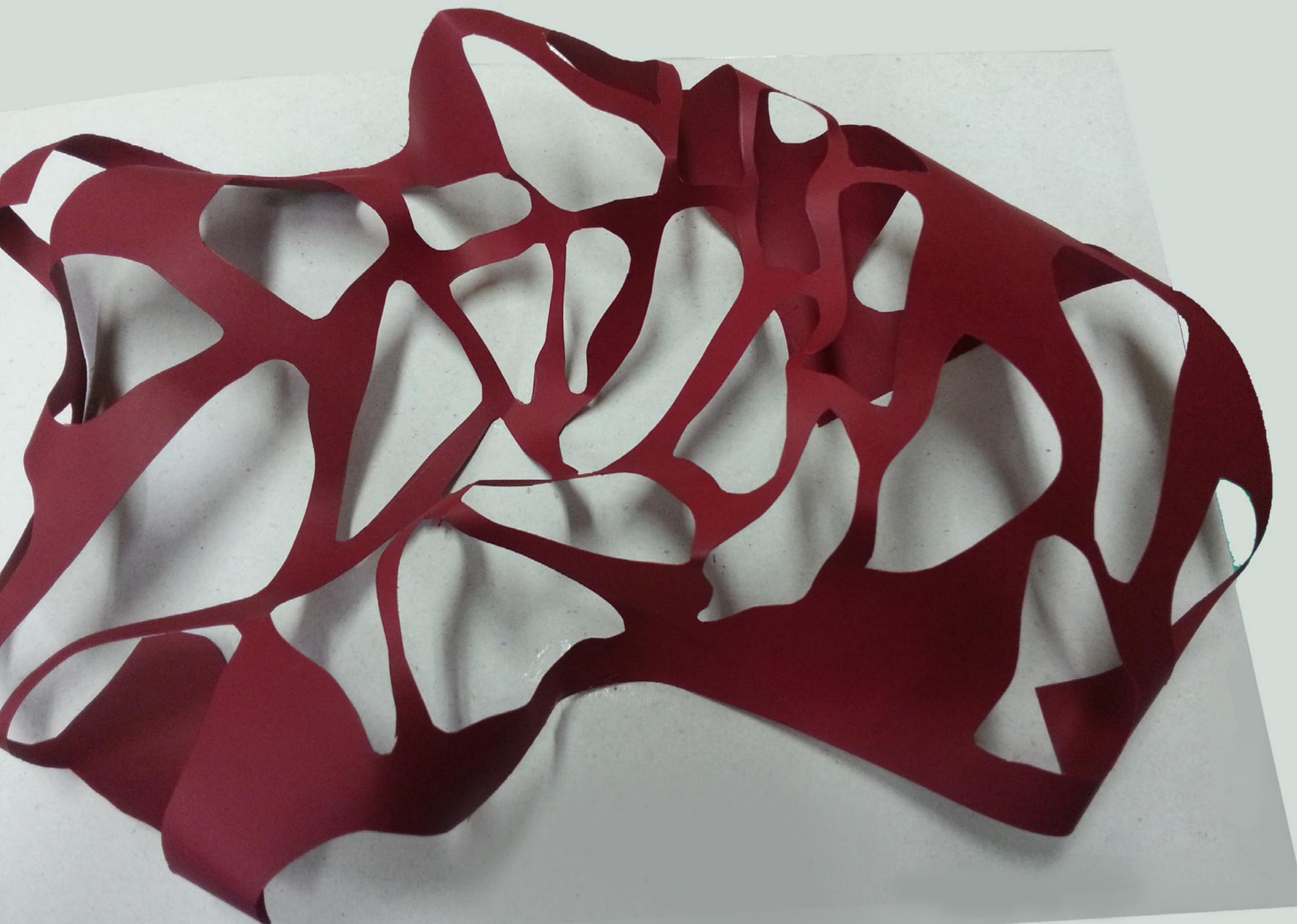


NORTH - WEST ELEVATION



SOUTH - EAST ELEVATION

Elevations - Free hand sketching



Bubble diagram  
For spatial study

# 3 Ps and a B 4 Stars Hotel

**Hotel Design Project**  
**April 2017**  
**Fourth Year 2016-2017**  
**K.R. (Kept record)**

1st P for Parametric:  
The hotel is designed with parametric design approach. Façades change according to the angle you observe them. The interior design incorporates repeated elements in a unique way.



2nd P for Panoramic:  
The hotel provides wide views to the city around. Different views and options: from Guest rooms, Terraces and panoramic elevators.



3rd P for Palazzo:  
Which means palace in Italian. The interior design and furniture pieces are designed and picked to make you feel like you are being accommodated in a palace.



A B for Botanic:  
Greenery is spread all over the building. At the ground, at the roof and on each floor in terraces and private outdoor areas. Green wall integrated in interior design as well.



***So it is A PARAMETRIC PANORAMIC BOTANIC PALAZO !***

View from the crossroads next to the hotel.



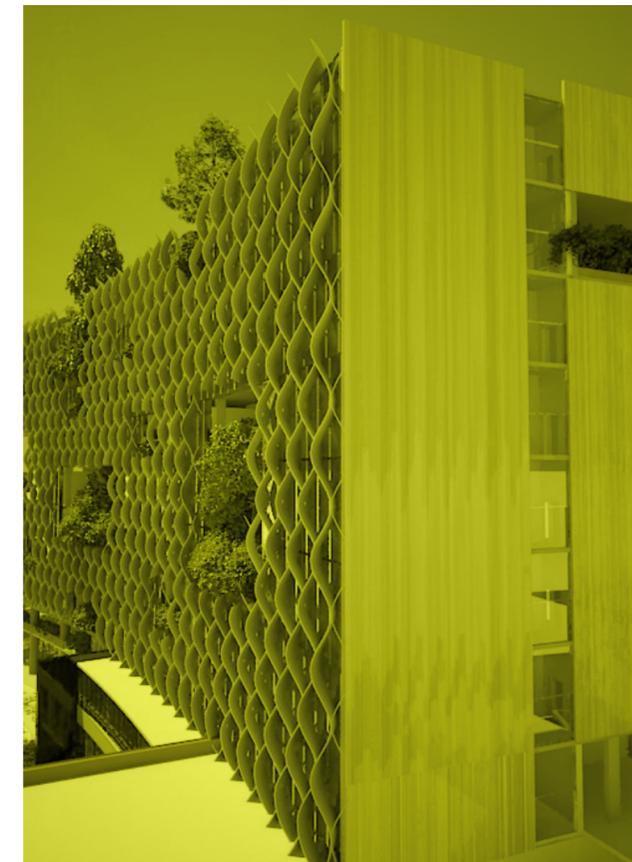
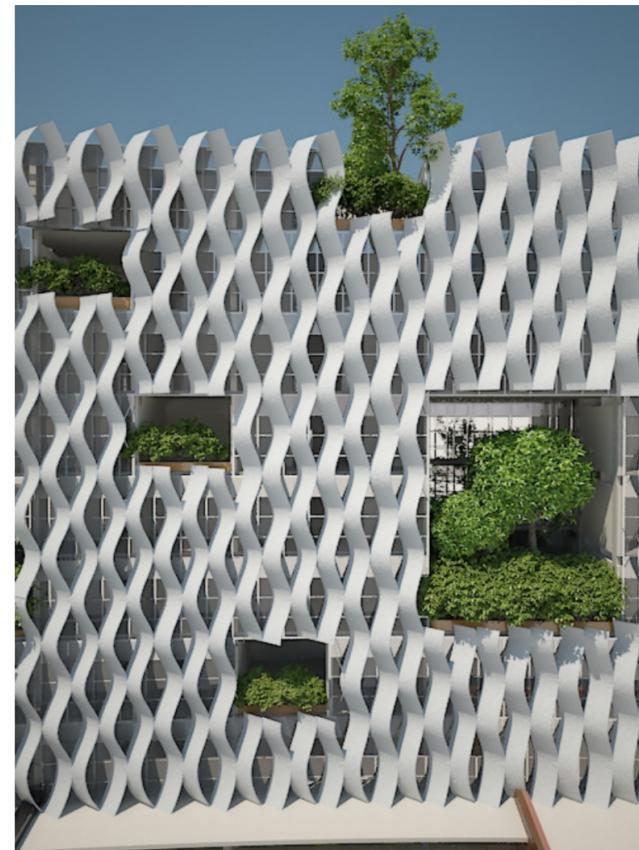


View for the infinity pool at the first floor.

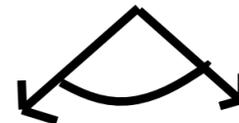


“ Nature isn't just beautiful. Even in small doses  
it changes the way we feel. ”

Inspiration of the Main Design Concept



Parametric Façade design that changes its shape while users move around it on the streets around.

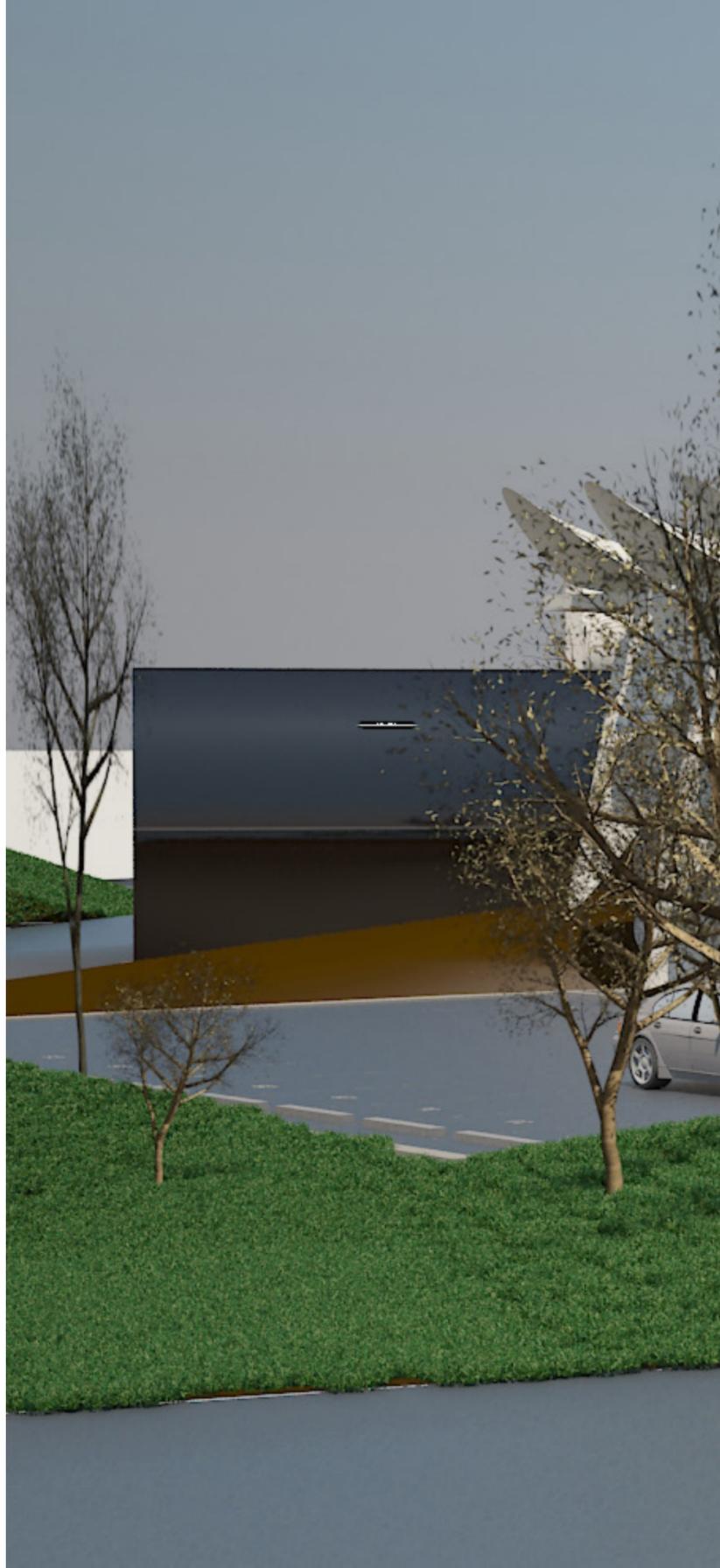




↑ View for the outdoor restaurant & bar.



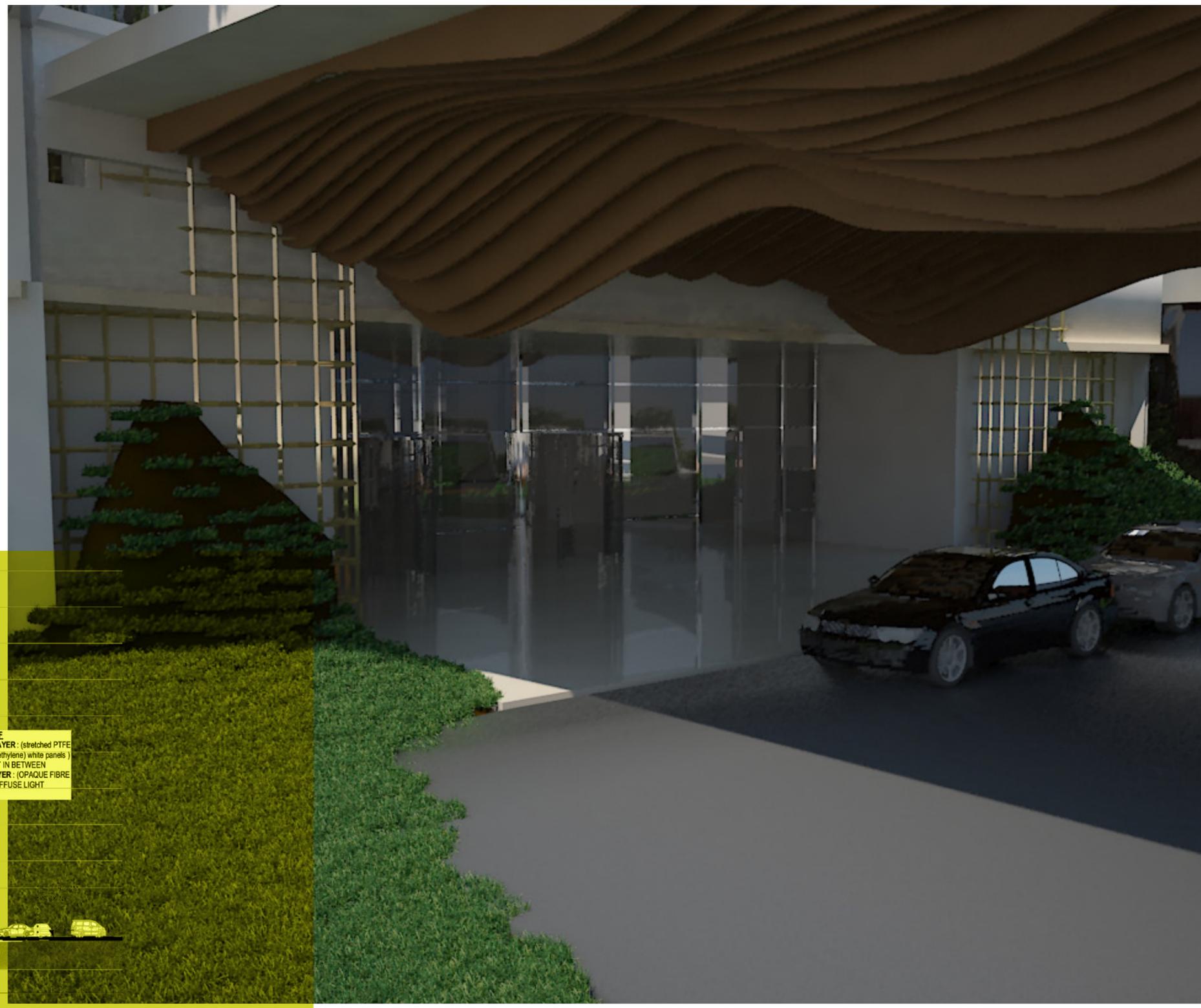
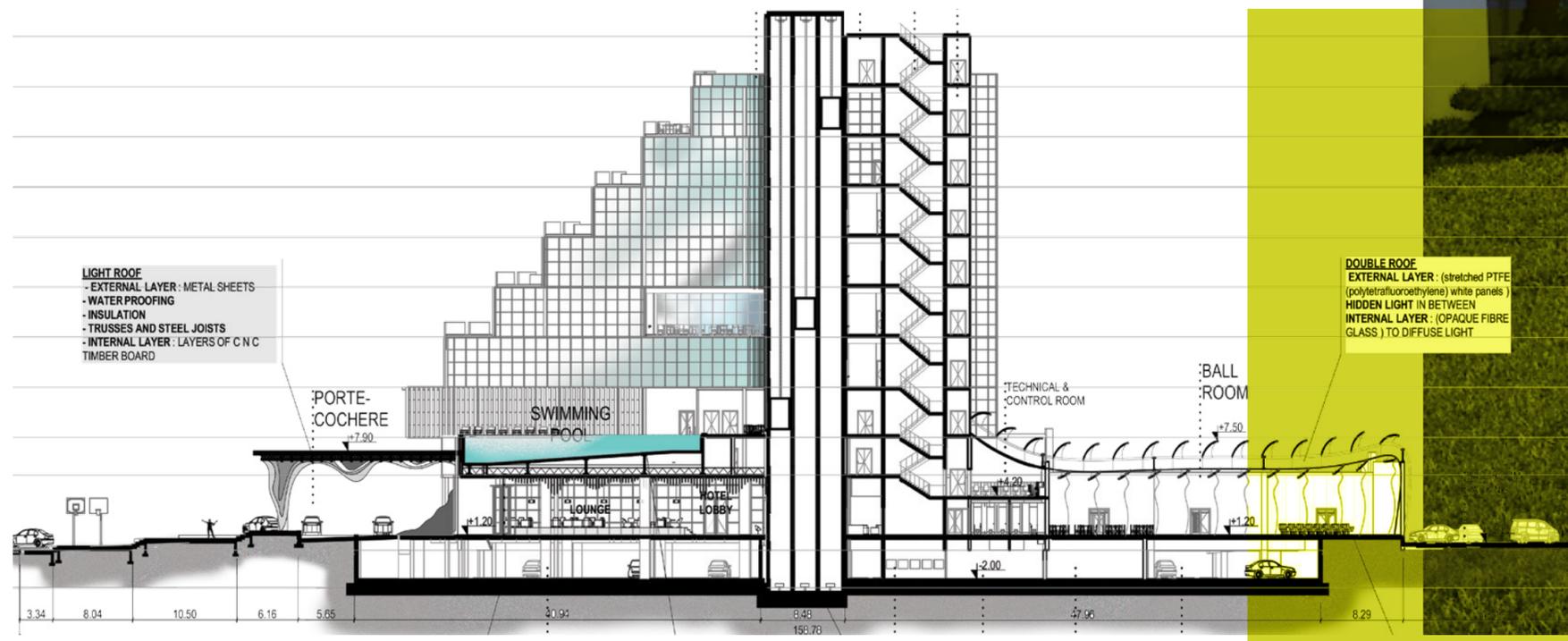
↑ Top view for the multi-purpose hall roof.



View for the Multi-purpose hall from the main street. →



From left to right:  
 Longitudinal Section AA,  
 Close view for the Porte cochere parametric design,  
 View for the Main entrance Porte  
 cochere.





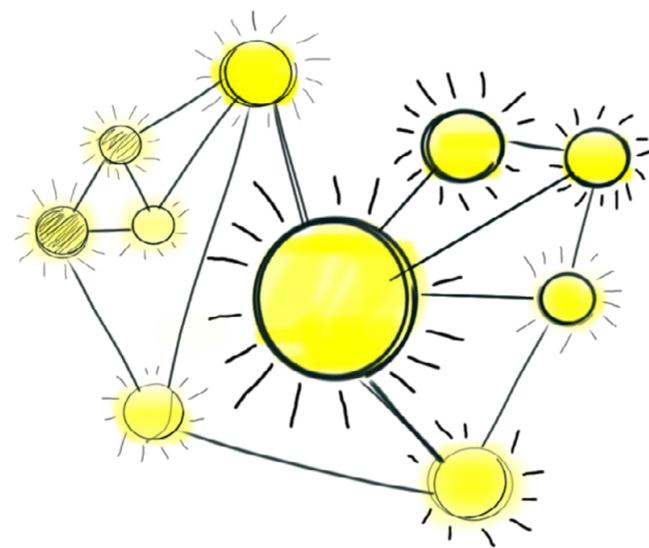
# Youth Incubation Centre

Graduation Thesis Project

August 2018

Fifth Year 2017-2018

Youth Incubation Centre is a facility dedicated to serve, help and support youth; through the incubation of businesses (for small and new-launched projects) in its business centre, and the incubation of minds (for students and young users) by education, edification, training and self-improvement in its educational and training centre.



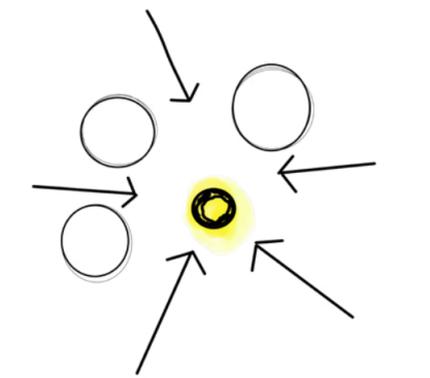
This centre is a beginning of a series of prototypes to be spread in the community like community centres with-in the neighbourhoods of Khartoum city, Sudan. To be like minarets that guide and enlighten youth.

Based on 3 main concepts:

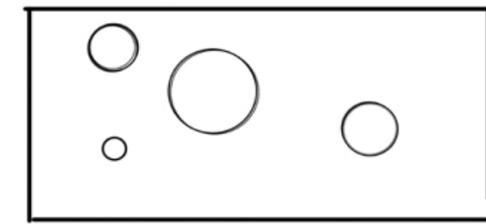
1 Site design concept.

2 Seeds concept: The centre will start with the necessities of spaces only and the rest will be added according to the upcoming circumstance after applying some feasibility studies. So it will start with small building like small seeds spread on the site.(Scenario 1) and in 3 years some buildings will expand in 20 year all the buildings may expand till they integrate/merge into each other (Scenario 2), and so should be the attitude when entrepreneurs start a new business in the startup, to start with what you have.

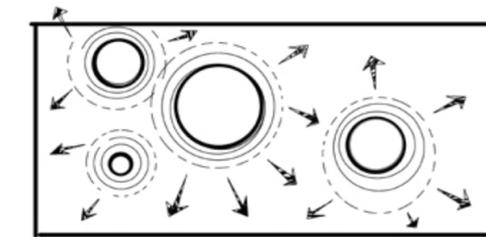
3 Up and out concept: **Sudan climate +Sudanese attitude:** Due to the drop in temperature that happens at night Sudanese used to go out at night to do some activities and to sleep, enjoying the cool night breezes and let the buildings lose their heat and cool down themselves.



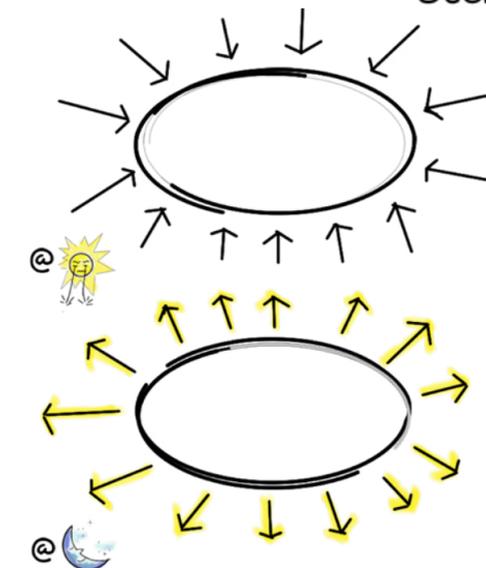
⇒ its own focus point ⇐



Scenario 1



Scenario 2



View for the Main building - The Business Centre



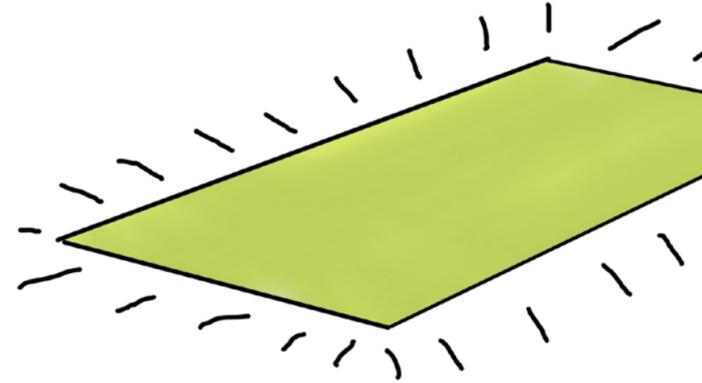
AFRICA STREET 60m

226.36

126.00

126.00

12m ROAD



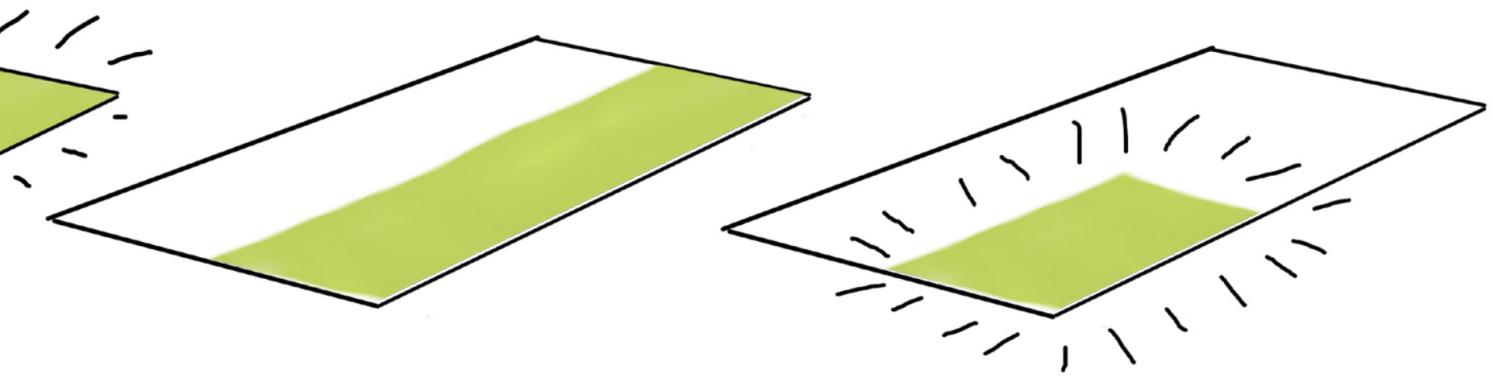
Site area at the Beginning



High cost  
Big area of land

Left: Roof Plan,  
Right: Main Elevation





**Through analysis and development**

Shrunked to the half of it after analysis of programme well, and Studying and applying the theme

**Final Site Area**

  $\frac{1}{4}$  the cost  
less walking distances  
more integration

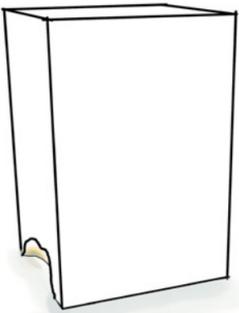
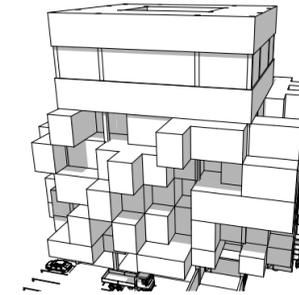
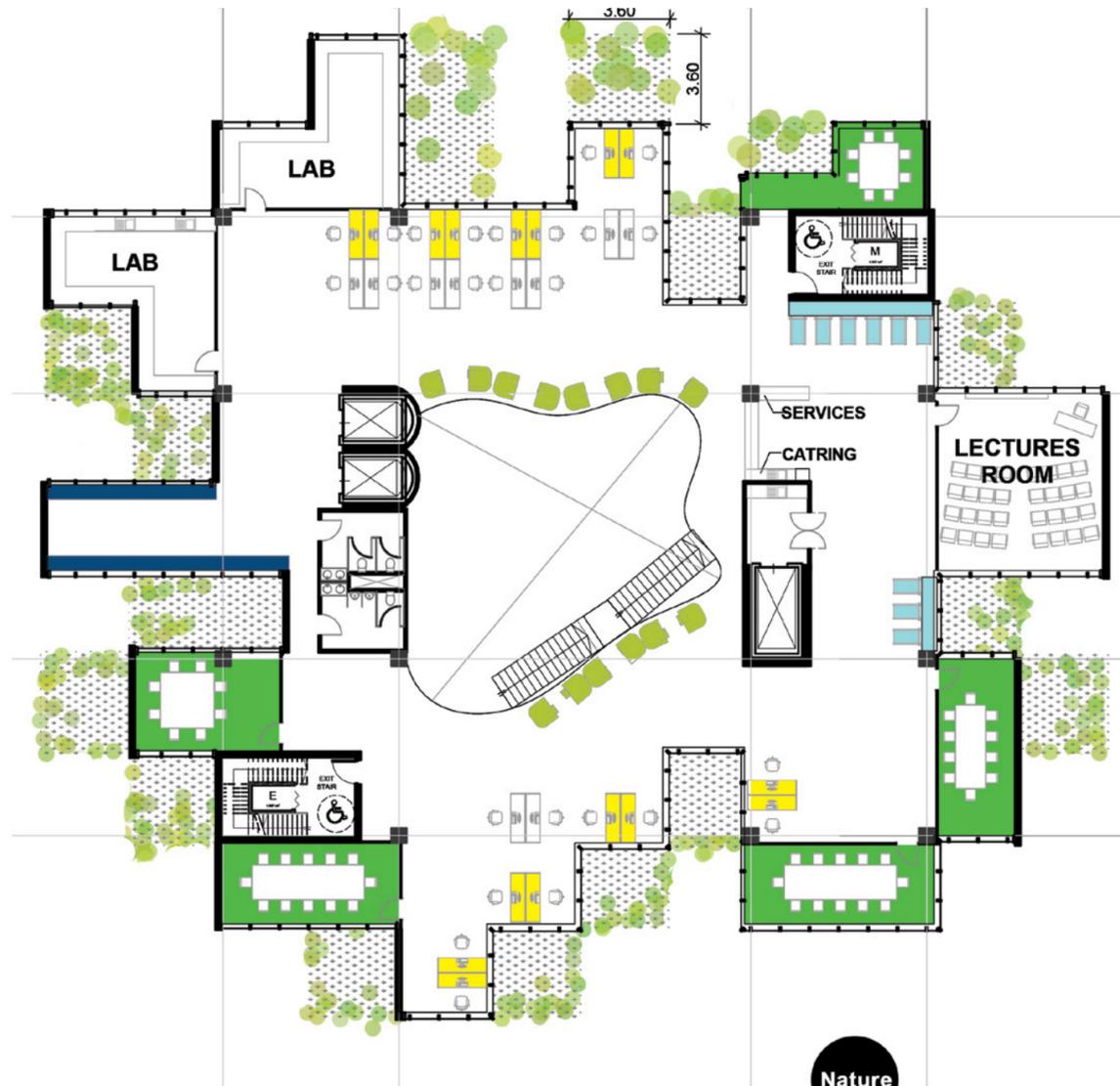
“ لا شيء ثابت إلا التغيير ”

“ The only fixed thing is change itself ”

”

**Inspiration for Design Concepts**

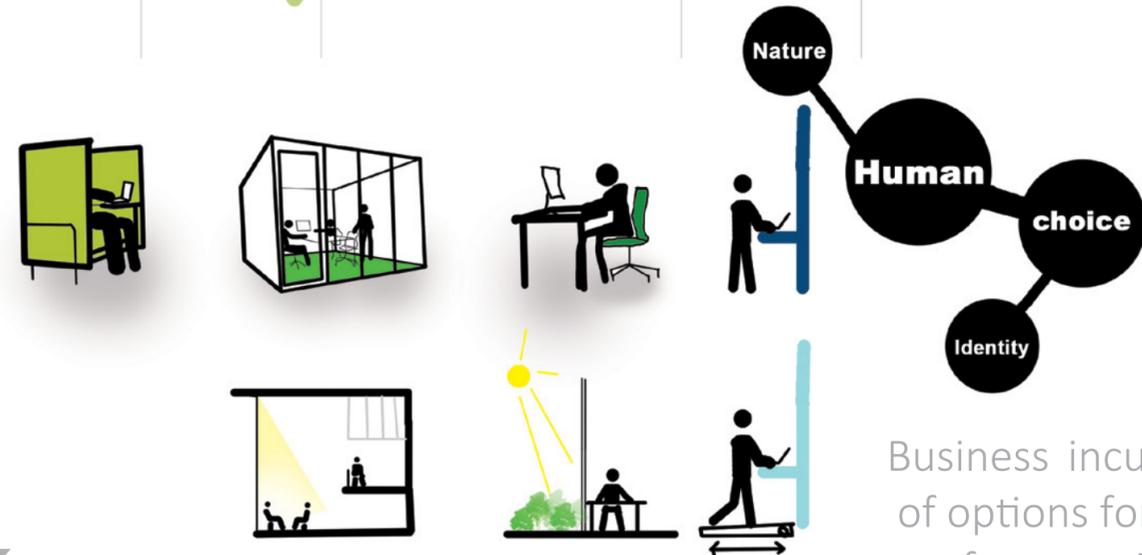




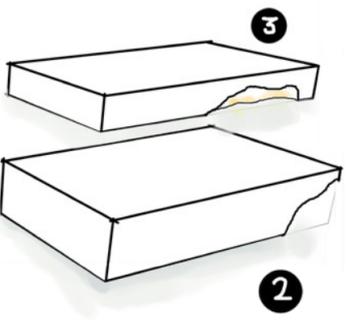
It is a mixed-use centre that will include a business centre for young investors and businessmen, educational facilities and recreational and sport facilities all in one place gathering the youth society helping them making their way through life.

**Design Philosophy:**

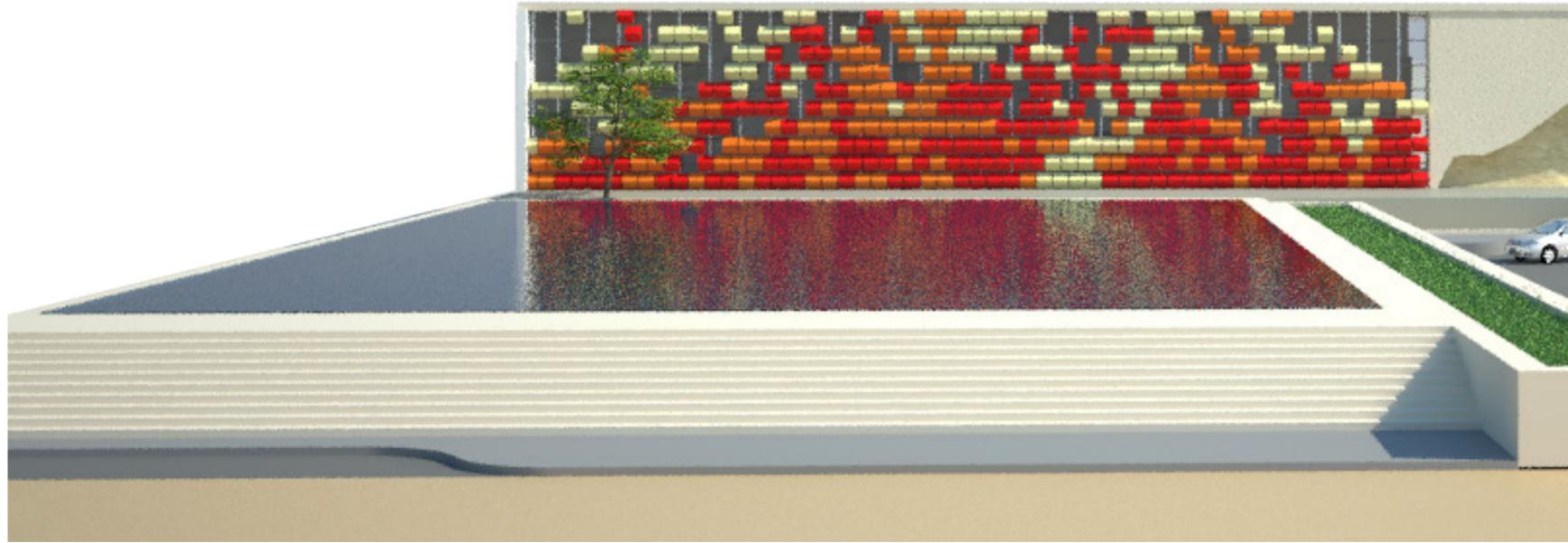
When considering the future, “We should not try to forecast what will happen, but try to make provision for what cannot be foreseen. The uncertainty of the future itself must be the basis on which present decision are taken. Without this point of departure every prognosis is worthless, for it is exactly what we cannot foresee which is most characteristic of the future, not the straight extension of the present. Of course it is necessary to make plans for the future, and the more exact is the better. But that by itself is not enough.



Business incubator for youth that provides lots of options for working environment and seating preferences in each floor.



Shallow pond in summer →



↓ becomes ↓

Pop-up pavilion in winter →



Parks design

Therapeutic gardens

Japanese garden

Place making

From left to right:

Conceptual Section illustrating position of the oasis in the site,

MAn-tra oasis part Plan: (The Small Park) It is a large scale void carved from the continuous fabric of the centre's buildings, so that it functions like a giant public 'living room' without a roof, where a plethora of activities inducing social intercourse can take place.



# M and M Residence



## Interior Design Project

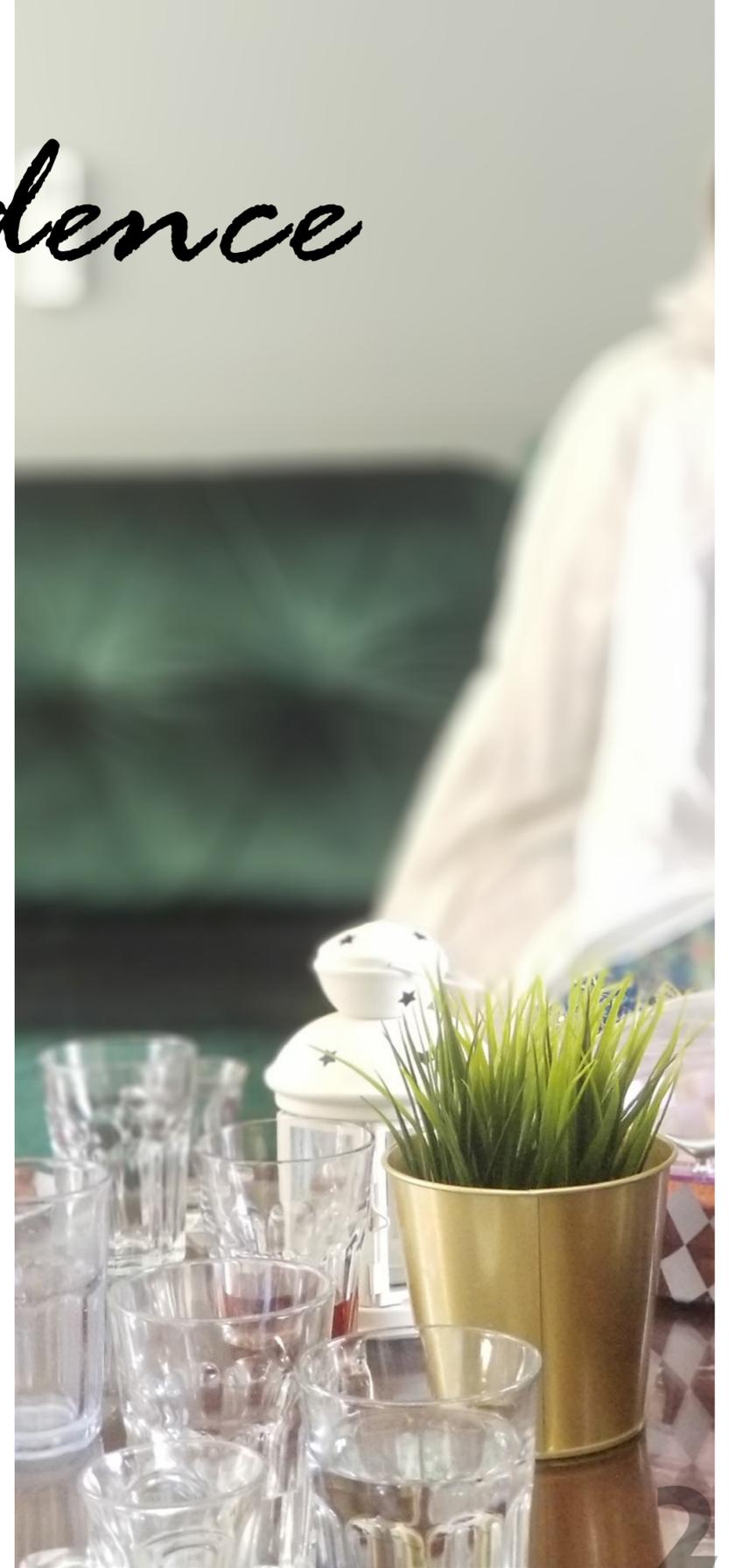
Designed: 2013

Executed: 2017

M & M residence is the first executed project of the ones that I have designed.

The scope was to review and redesign the partitioning system and creatively design the interior of the whole building,

My tasks included: designing the Villa interior with all the combined systems and layers (Gypsum decoration, electrical , finishes), picking or designing furniture piece which fit with the chosen theme/s.



R E C E



P T I O N



# Botanic Touches

Different shades of green like: Light Sage green for walls accompanied with Dark green velvet fabrics for the furniture sets with some green plants to add a fresh touch and a sense of liveliness to the inner space. Wide windows and glazed stairwell exterior shell let satisfying amount of daily natural light boost that sense even more.

M

A



V

I

I

N



E

W



Side angled view



Staircase interior view



Boundary fence conceptual hand sketch

# Villa Rawda

Rawda Villa is a rehabilitation project of a built family house constructed in the late 90s.

The scope was to restore the house giving it a modern look with a focus on renovating the main façades, the interior of the main stairwell by the entrance and the boundary fence. The design challenge was to give it a significant change while keeping the good old structure leading to minimising the renovations costs in order to fulfill the clients requirements as well as approaching the project in a more sustainable way.

As the designer, I have played a role in persuading the clients into adapting such sustainable attitude towards construction using my knowledge in rehabilitation projects, sustainability and marketing skills.

# My Graphic Design Portfolio

Graphic Design is a side job I started doing for fun as a hobby. I didn't imagine it will bring me this far. It is a self-taught range of skills developed during my study of Architecture, since 2017 till today.



MOTIVATION PLANT

Up and Forward!

# معارض بازارات حفل غنائي

## الاحتفاء بذكرى الوطن

## الاحتفاء بذكرى الوطن

## الاحتفاء بذكرى الوطن

كلية العمارة  
جامعة الخرطوم

الساعة الواحدة بتوقيت الثورة  
٩ يناير ٢٠٢٠

# الوقاية من فيروس الكورونا

للوقاية يجب تجنب السلوكيات التالية لمنع إنتقال اللعاب أو السوائل المخاطية  
للجهاز التنفسي وبالتالي الفيروس من شخص مصاب لشخص سليم



١- الشرب ورا بعض بكوز أو  
كبايه واحدة



٢- التبويض في الشراب من باغات  
التلاجة والعصير



٣- إدخال أي كبايه ملوثة في الزير أو  
أي جردل مويه أو عصير



٤- إدخال الملاعق في إناء واحد زي  
شراب الشوريه في كوره كبيرة أو الأكل  
في صحن تحلية كبير مع بعض



٥- أكل الحاجات شبه السائلة زي ملاح  
الويكه مع زول بيدخل أصابعينو في  
خشمه أثناء الأكل أو يلحسهم



٦- المشاركة في لحس الصحن  
بعد نهاية الأكل



٧- لمن الشافع يقول لآخوه ولا صاحبو هاك  
اقرم واديني ولا هاك اشرب وخلي لي ده  
يعني هاك اكل ولا اشرب وخلي في أثر لعابك



٨- كلفتة غسيل العدة أو  
مصمصة الغسيل في حبة مويه  
غير متجددة في ماعون صغير



٩- الاستحمام ورا بعض بجردل مويه  
واحد من غير ما يتغسل وكمان مرات يكون  
فيه باقي مويه من الزول الاستحمي قبالك



١٠- لمن تغسل إيديك تمام وتقوم تقفل بيهم  
الماسورة الملوثة أو تلمس مقبض باب الحمام  
الوسخان بتكون كأنك ما عملت أي حاجه



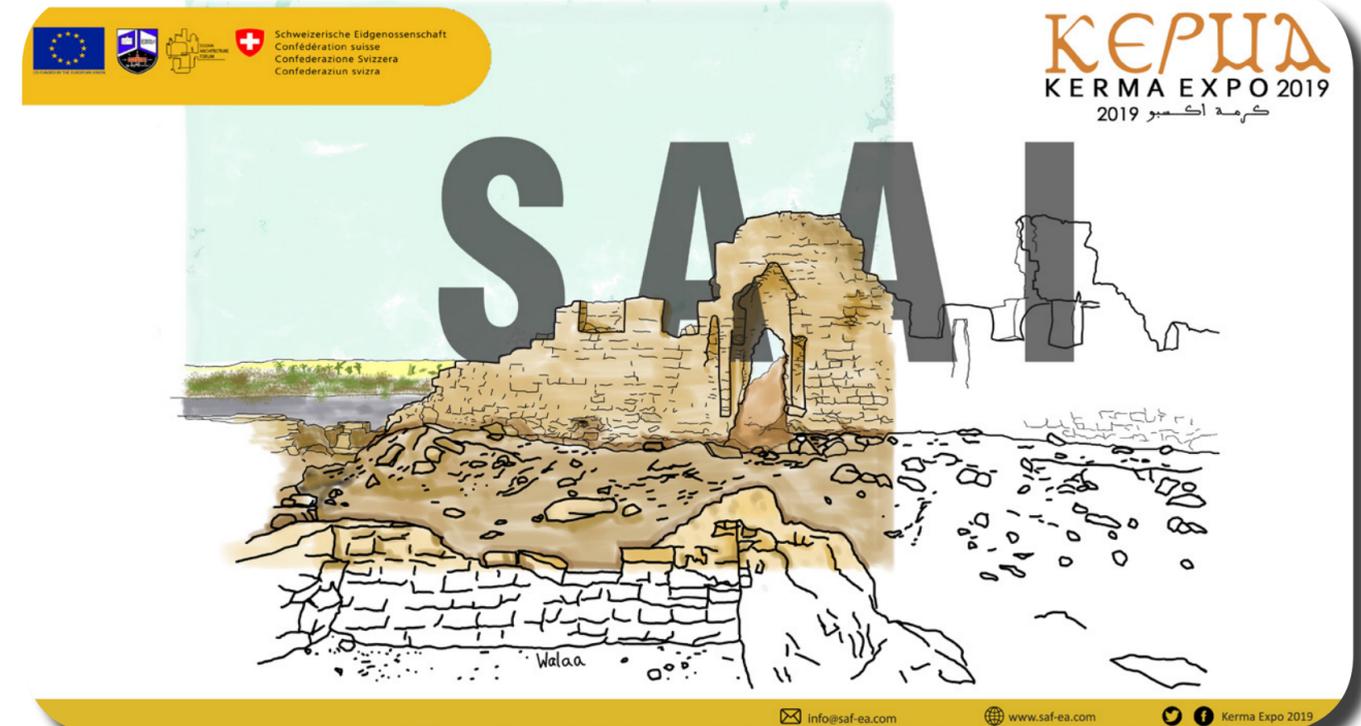
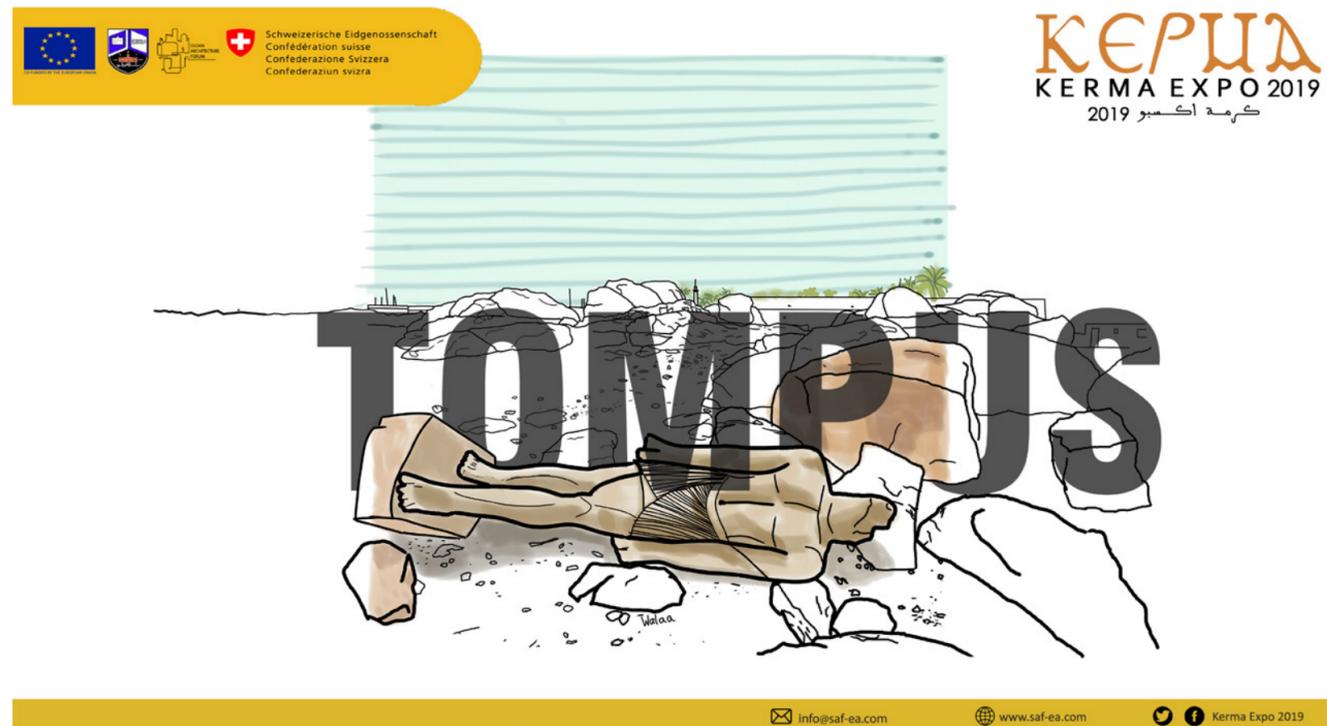
١١- الوضوء الجماعي في الطشت

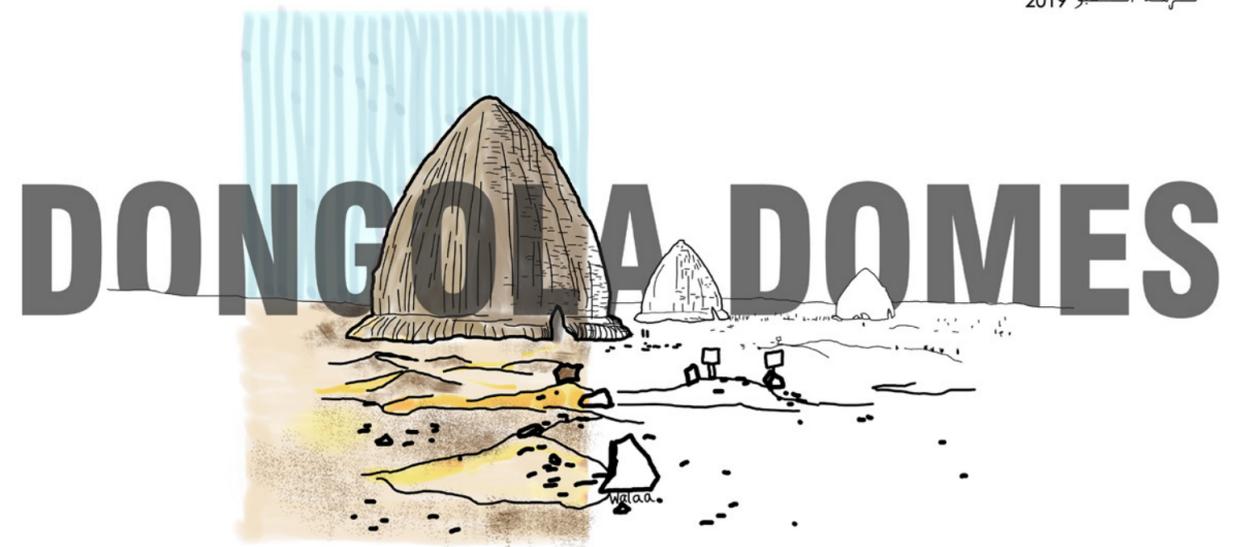
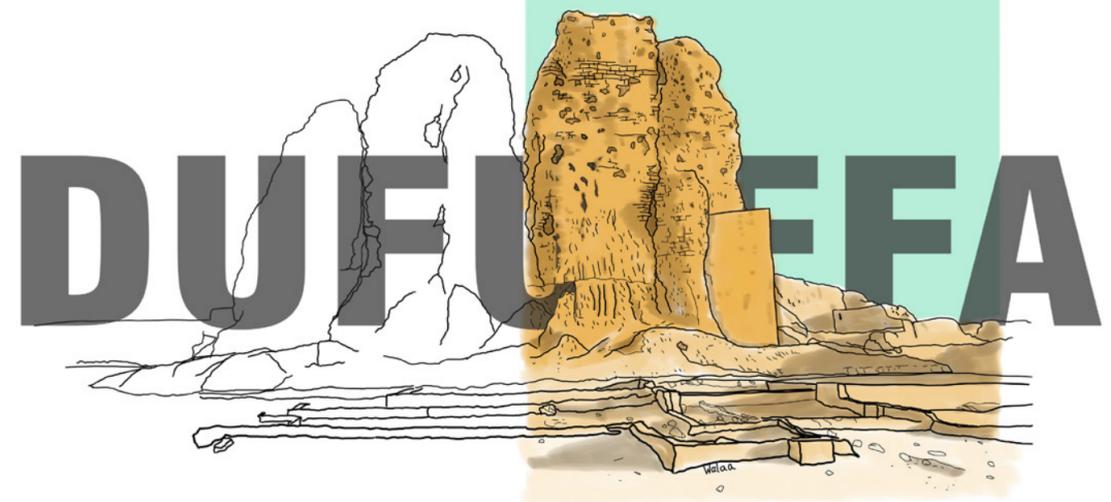


١٢- تلويت لعاب السواك (وطبعا هو لعاب  
كيميائت) للماسورة والمعجون وحتى  
الصابونة لو السواك كان بطريقة غلط

Those are some illustrations examples from my voluntary contribution as a graphic designer in a campaign for Kerma Earth Architecture Expo 2019. An expo organized by Sudan Architecture Forum (SAF) in collaboration with the European Union, Ministry of culture and Switzerland Embassy to explore and cherish ancient earth-architecture in Sudan and promote for it locally and internationally.

SAF works on bridging the gap between designers and society (both educated and illiterate), by raising awareness about the importance of the built environment, ancient heritage and historical buildings to appreciate them and share their preservation responsibility.







*Thank you*



# WALAA MUNIR OSMAN AHMED

JUNIOR ARCHITECT & RESEARCHER

Walaah Ahmed

## About Me:

"I am an ambitious "under-construction" architect. My passion for Architecture, Art and Design always kept me going. I'm captivated by details; they always get my interest and attention. I seek out opportunities that enhance my skills and enrich my experience and conversance in a relentless journey of improvement."

 [walaa.mu.ahmed@gmail.com](mailto:walaa.mu.ahmed@gmail.com)  
 [www.linkedin.com/in/architect-walaa-ahmed](http://www.linkedin.com/in/architect-walaa-ahmed)  
 +971 547 267 497  
 Abu Dhabi - UAE & Ready to relocate  
 Ready to start immediately

## Software skills

Drawing	  
3D modelling/ Rendering	    
Editing/ Graphics	    
Office	    

## Languages

 Native
 Full command IELTS Band 8.0
 Beginner
 Beginner

## Professional skills

- Excellent free hand sketching (on papers and digital).
- Good vision and sense regarding graphic design, colours matching and typography.
- Excellent organizational & strategic planning skills.
- Attentive and versatile.
- Creative and innovative.
- Fast learner.
- Ability to work under pressure.

## Certifications

- Certificate of Academic Exchange to Bremen School of Architecture, Bremen, Germany.
- Archicad applications program training certificate.
- Architectural Photoshop training certificate.

## Affiliation

- **Member** at Sudan Architecture Forum (SAF).
- **Member** at University of Khartoum Professors Syndicate.

## Education

Oct. 2013 - Aug. 2018  
 Bachelor of Science in Architecture, University of Khartoum, Faculty of Architecture. **Classification: First.**  
**\* Graduated at the top of my class.**

## Work Experience

Dec. 2019 - April 2023  
**Junior Architect (By job)** at University of Khartoum Consultancy Corporation (UKCC).

Oct. 2018 - Now  
**Teaching Assistant** at University of Khartoum, Faculty of Architecture - Department of Construction Management and Economics.

Oct. 2017 - Now  
**Graphic Designer (Freelance)** at Motivation Plant (DBA M.P.).

Oct. 2020 - Oct. 2021  
**Research Assistant & Junior Architect** at University of Khartoum (UofK) - Faculty of Architecture (FoA) with The Italian Agency For Development Cooperation(AICS)- MayoUp Project.

Nov. 2019 - Oct. 2021  
**Junior Architect & Project coordinator** at University of Khartoum (UofK)- Faculty of Architecture (FoA) with The Italian Agency For Development Cooperation(AICS)- Dictorna Project.

Feb. 2019 - Jan. 2021  
**Executive Board Member (Voluntary)** at Sudan Architecture forum (SAF)- Executive Team.

July. 2019 - Jan. 2021  
**Business Development Officer (B.D.O)** at Murtada Maaz Consultancy Co. Ltd. (MMC)

Sept. 2019 - Dec. 2019  
**Teaching Assistant & Lecturer** at Future University.

June. 2019 - July. 2019  
**Software Trainer** at A-bary Training Centre.

March. 2019 - Aug. 2019  
**Software Trainer** at Mayor Training Centre.

Oct. 2018 - Feb. 2020  
**Graphic Designer (Voluntary)** at Sudan Architecture forum (SAF) - Kerma EXPO Media & creativity team.

Nov. 2016 - Dec. 2016  
**Architectural Intern** at Abu-Bakr consultants.

2014  
**Architectural Intern** at Sheibrain consultants.

## Exhibitions

- 2018 Participant at 013 Graduation projects exhibition.
- 2017 Participant at Flow'er art exhibition.
- Sept. 2015 Participant at Architect week projects exhibition.
- 2015 Participant at Draw your future exhibition.

## Workshops

- 2019 Participant at Professional marketing skills.
- 2017 Participant at Recycling workshops.
- 2017 Participant at Art and painting workshops,(several).
- 2017 Participant at Cityscape workshops.
- 2017 Participant at Graphic design quick tricks workshop.
- 2017 Participant at Photoshop quick tricks workshop.
- 2013 Participant at Mosaic art workshops.

## Competitions and Awards

- Jun. 2018 Dubai creek iconic mosque entry.
- Aug. 2018 Omrania CSBE competition successfully accepted entry.
- 2017 The university award for the best academic performance in faculty of architecture, fourth year, for the academic year 2016 - 2017.
- 2016 The university award for the best academic performance in faculty of architecture, third year, for the academic year 2015 - 2016.
- 2015 The university award for the best academic performance in faculty of architecture, second year, for the academic year 2014 - 2015.  
 \*Awarding body: The senate of the University of Khartoum.

## Voluntary Work

- 2011-2012 **Volunteered** at Sadagat charitable organization.
- 2018-2023 **Volunteered** at Allatra International Organization (non-profit organization).
- 2020-2023 **Volunteered** at Plant hope in pain (non-profit organization).
- Now **Volunteer** at University of Khartoum Professors Syndicate.
- Now **Volunteer** at Spread Knowledge initiative (Founder of the initiative).